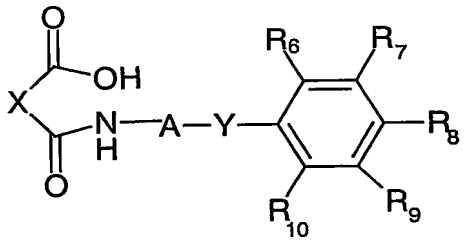
WE CLAIM:

1. A compound having the structure of Formula I,

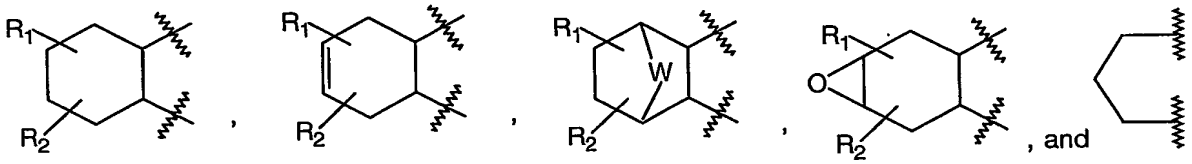


Formula I

and its pharmaceutically acceptable salts, enantiomers, diastereomers, N-oxides, prodrugs, metabolities, polymorphs, or pharmaceutically acceptable solvates,

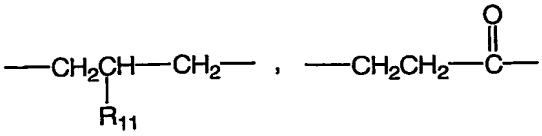
wherein

X is selected from the group consisting of



wherein the points of attachment are depicted by hashed bonds, and wherein one point of attachment is bonded to the carbonyl adjacent to the nitrogen and the second point of attachment is bonded to the other carbonyl;

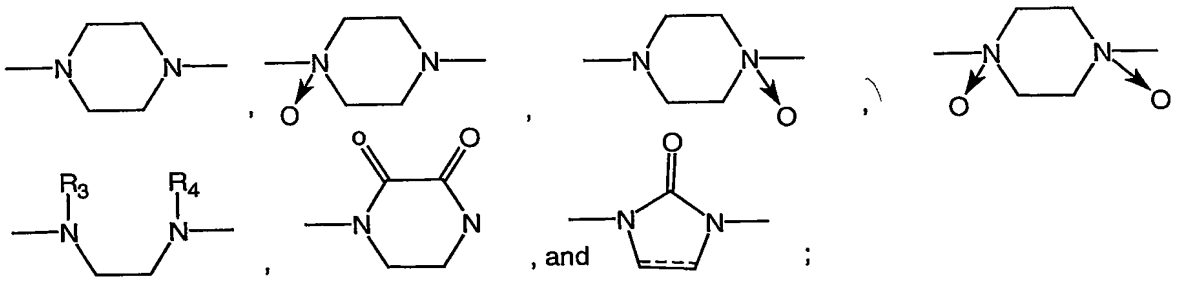
W is O,S,SO or SO_2;

A is $-(CH_2)m-$,  ;

wherein m is one of the integers 2,3 or 4 ;

R_{11} is independently selected from H, F, Cl, Br, I, OH, straight or branched lower (C_{1-6}) alkyl, lower (C_{1-6}) alkoxy and lower (C_{1-6}) perhaloalkyl;

Y is selected from the group consisting of



, and ;

R_1 and R_2 are independently selected from H, OH, CN, NO_2, Cl, F, Br, I, OR_3,COR_3, $OCOR_3$, $COOR_3$, NH_2, N(R_4, R_5) , lower (C_{1-4})alkyl, lower (C_{1-4}) alkoxy, lower (C_{1-4})alkylthio, lower (C_{1-4})perhaloalkyl, lower (C_{1-4}) perhaloalkoxy, lower (C_{1-4})alkoxy substituted with one or more of F, Cl, Br, I, OH, or OR_3, optionally substituted group selected from aryl, aryloxy, aralalkyl, heterocyclyl or heteroaryl and said substituents being H, F, Cl, Br, I, OH, OR_3, lower (C_{1-4})alkyl, lower (C_{1-4})alkyl substitued with one or more of F, Cl, Br, I, OH or OR_3, wherein R_3 is selected from the group consisting of H , straight or branched C_1- C_6 alkyl and perhaloalkyl; R_4 and R_5 are independently selected from the group consisting of H, CHO, substituted or unsubstituted lower (C_{1-4})alkyl , lower (C_{1-4})alkoxy, COR_3, $COOR_3$, $CH_2CH(OR_3)_2$, CH_2COOR_3, CH_2CHO and $(CH_2)_2OR_3$ wherein R_3 is the same as defined above; R_6, R_7, R_8, R_9 and R_{10} are independently selected from H, OH, CN, NO_2, Cl, F, Br, I, straight or branched lower (C_{1-4})alkyl optionally substituted with one or more halogens, lower (C_{1-4})alkoxy optionally substituted with one or more halogens, (C_{3-6})cycloalkoxy, NH_2, N-lower(C_{1-4})alkylamino, N, N-di-lower (C_1-C_4)alkylamino, N-lower alkyl(C_1-C_4)amino carbonyl, hydroxy substituted with aromatic or non-aromatic

five or six membered ring, phenyl, phenyl substitued by Cl, F, Br, I, NO_2, NH_2, (C_{1-4})alkyl or (C_{1-4})alkoxy , (C_{1-4})perhaloalkyl , (C_{1-4})perhaloalkoxy wherein a broken line (....) is a single bond or no bond.

2. A compound selected from the group consisting of

1-Carboxy-cyclohex-4-ene-2-[N-{3-(2-ethoxyphenyl)piperazin-1-yl)propyl]carboxamide;

1-Carboxy-cyclohex-4-ene-2-[N-{3-(2-isopropoxyphenyl)piperazin-1-yl}propyl] carboxamide;

1-Carboxy cyclohex-4-ene-2-[N-{3-(2-methoxyphenyl)piperazin-1-yl}-2-hydroxypropyl] carboxamide;

1-Carboxy cyclohex-4-ene-2-[N-{3-(2-hydroxyphenyl)piperazin-1-yl}-2-hydroxypropyl] carboxamide;

1-Carboxy cyclohex-4-ene-2-[N-{3-(2-isopropoxyphenyl)piperazin-1-yl}-2-hydroxy propyl] carboxamide;

1-Carboxy cyclohex-4-ene-2-[N-{3-(2-ethoxyphenyl)piperazin-1yl}-2-hydroxyphenyl] carboxamide;

5-[N-{3-(2-hydroxyphenyl)piperazin-1-yl}]-1-aminopropyl-5-oxo-pentan-1-oic acid;

1-Carboxy cyclohex-4-ene-2-[N-{3-(2-hydroxyphenyl)piperazin-1-yl}propyl] carboxamide ;

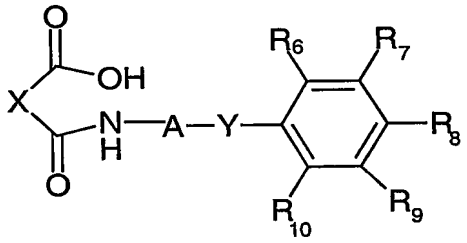
5-[N-{3-(2-Isopropoxyphenyl)piperazin-1-yl}-1-aminopropyl]-5-oxo-pentan-1-oic acid;

Methyl-5-[N-{3-(2-methoxyphenyl)piperazin-1-yl}-1-aminopropyl]-5-oxo-pentanoate hydrochloride;

1-Carboxymethylcyclohex-4-ene-2-[N-{3-(2-isopropoxyphenyl)piperazin-1-yl}-propyl]carboxamide hydrochloride;

5-[N-{3-(2-Methoxyphenyl)piperazin-1-yl}]-2-hydroxypropylamino-5-oxo-pentan-1-oic acid.

3. A method of selectively antagonizing α_1-adrenergic receptors in a mammal comprising administering to said mammal a therapeutically effective amount of a compound having the structure of Formula I:

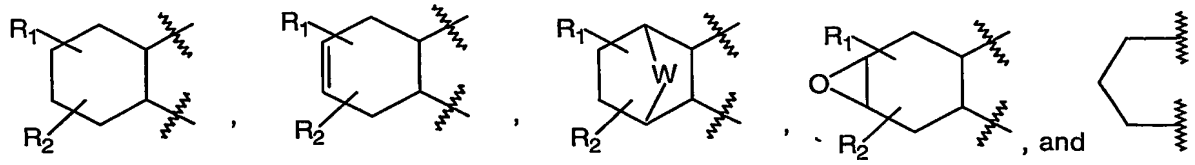


Formula I

and its pharmaceutically acceptable salts, enantiomers, diastereomers, N-oxides, prodrugs, metabolities, polymorphs, or pharmaceutically acceptable solvates,

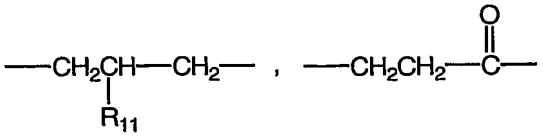
wherein

X is selected from the group consisting of



wherein the points of attachment are depicted by hashed bonds, and

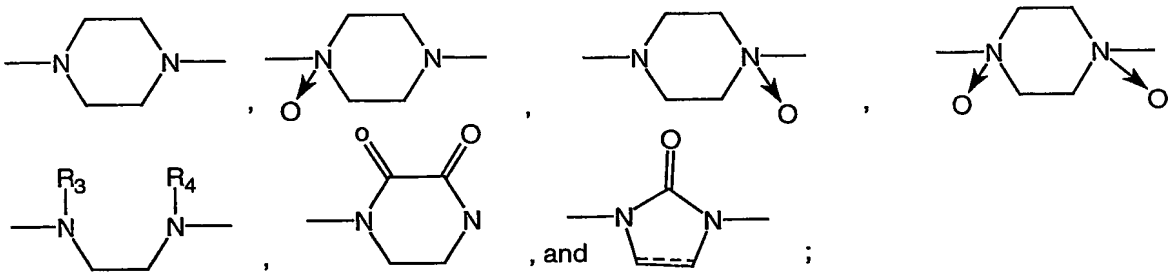
wherein one point of attachment is bonded to the carbonyl adjacent to the nitrogen and the second point of attachment is bonded to the other carbonyl;
W is O,S,SO or SO_2;

A is $-(CH_2)m-$,  ;

wherein m is one of the integers 2,3 or 4 ;

R_{11} is independently selected from H, F, Cl, Br, I, OH, straight or branched lower (C_{1-6}) alkyl, lower (C_{1-6}) alkoxy and lower (C_{1-6}) perhaloalkyl;

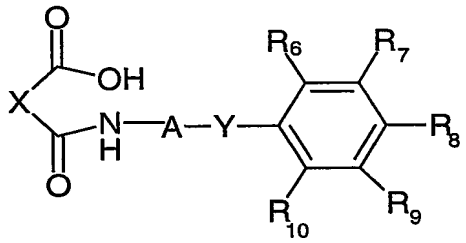
Y is selected from the group consisting of



R_1 and R_2 are independently selected from H, OH, CN, NO_2, Cl, F, Br, I, OR_3,COR_3, $OCOR_3$, $COOR_3$, NH_2, $N(R_4, R_5)$, lower (C_{1-4})alkyl, lower (C_{1-4}) alkoxy, lower (C_{1-4})alkylthio, lower (C_{1-4})perhaloalkyl, lower (C_{1-4})perhaloalkoxy, lower (C_{1-4})alkoxy substituted with one or more of F, Cl, Br, I, OH, or OR_3, optionally substituted group selected from aryl, aryloxy, aralalkyl, heterocyclyl or heteroaryl and said substituents being H, F, Cl, Br, I, OH, OR_3, lower (C_{1-4})alkyl , lower (C_{1-4})alkyl substitued with one or more of F, Cl, Br, I, OH or OR_3, wherein R_3 is selected from the group consisting of H , straight or branched C_1- C_6 alkyl and perhaloalkyl; R_4 and R_5 are independently selected from the group consisting of H, CHO, substituted or unsubstituted lower (C_{1-4})alkyl , lower

(C_{1-4})alkoxy, COR_3, $COOR_3$, $CH_2CH(OR_3)_2$, CH_2COOR_3, CH_2CHO and $(CH_2)_2OR_3$ wherein R_3 is the same as defined above; R_6, R_7, R_8, R_9 and R_{10} are independently selected from H, OH, CN, NO_2, Cl, F, Br, I, straight or branched lower (C_{1-4})alkyl optionally substituted with one or more halogens, lower (C_{1-4})alkoxy optionally substituted with one or more halogens, (C_{3-6})cycloalkoxy, NH_2, N-lower(C_{1-4})alkylamino, N, N-di-lower (C_1-C_4)alkylamino, N-lower alkyl(C_1-C_4)amino carbonyl, hydroxy substituted with aromatic or non-aromatic five or six membered ring, phenyl, phenyl substitued by Cl, F, Br, I, NO_2, NH_2, (C_{1-4})alkyl or (C_{1-4})alkoxy , (C_{1-4})perhaloalkyl , (C_{1-4})perhaloalkoxy wherein a broken line (....) is a single bond or no bond.

4. A method for treating benign prostatic hyperplasia in a mammal comprising administering to said mammal a therapeutically effective amount of a compound having the structure of Formula I:

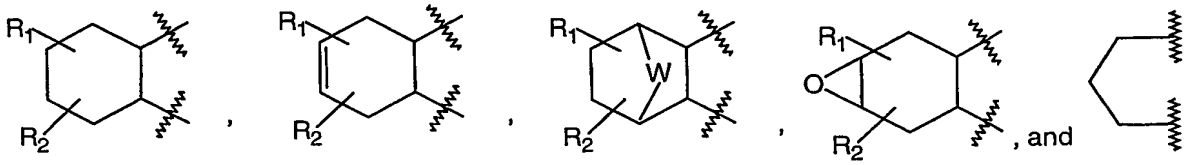


Formula I

and its pharmaceutically acceptable salts, enantiomers, diastereomers, N-oxides, prodrugs, metabolities, polymorphs, or pharmaceutically acceptable solvates,

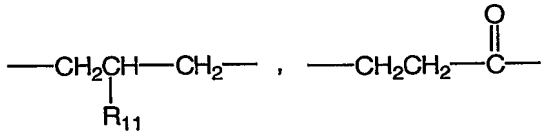
wherein

X is selected from the group consisting of



wherein the points of attachment are depicted by hashed bonds, and wherein one point of attachment is bonded to the carbonyl adjacent to the nitrogen and the second point of attachment is bonded to the other carbonyl;

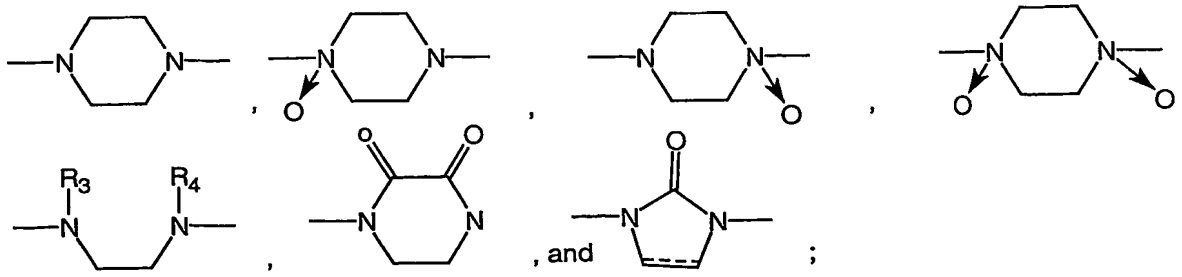
W is O,S,SO or SO_2;

A is $-(CH_2)m-$,  ;

wherein m is one of the integers 2,3 or 4 ;

R_{11} is independently selected from H, F, Cl, Br, I, OH, straight or branched lower (C_{1-6}) alkyl, lower (C_{1-6}) alkoxy and lower (C_{1-6}) perhaloalkyl;

Y is selected from the group consisting of



;

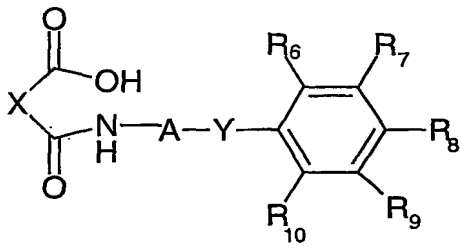
R_1 and R_2 are independently selected from H, OH, CN, NO_2, Cl, F, Br, I, OR_3,COR_3, $OCOR_3$, $COOR_3$, NH_2, $N(R_4, R_5)$, lower (C_{1-4})alkyl, lower (C_{1-4}) alkoxy, lower (C_{1-4})alkylthio, lower (C_{1-4})perhaloalkyl, lower (C_{1-4})perhaloalkoxy, lower (C_{1-4})alkoxy substituted with one or more of F, Cl, Br, I, OH, or OR_3, optionally substituted group selected from aryl, aryloxy, aralalkyl, heterocyclyl or heteroaryl and said substituents being H, F, Cl, Br, I, OH, OR_3, lower (C_{1-4})alkyl, lower (C_{1-4})alkyl substitued with one or more of F, Cl, Br, I, OH or OR_3, wherein R_3 is selected from the group consisting of H , straight or branched C_1- C_6 alkyl and perhaloalkyl; R_4 and R_5 are independently selected from the group consisting of H, CHO, substituted or unsubstituted lower (C_{1-4})alkyl , lower (C_{1-4})alkoxy, COR_3, $COOR_3$, $CH_2CH(OR_3)_2$, CH_2COOR_3, CH_2CHO and $(CH_2)_2OR_3$ wherein R_3 is the same as defined above; R_6, R_7, R_8, R_9 and R_{10} are independently selected from H, OH, CN, NO_2, Cl, F, Br, I, straight or branched lower (C_{1-4})alkyl optionally substituted with one or more halogens, lower (C_{1-4})alkoxy optionally substituted with one or more halogens, (C_{3-6})cycloalkoxy, NH_2, N-lower(C_{1-4})alkylamino, N, N-di-lower $(C_1$-$C_4)$alkylamino, N-lower alkyl$(C_1$-$C_4)$amino carbonyl, hydroxy substituted with aromatic or non-aromatic five or six membered ring, phenyl, phenyl substitued by Cl, F, Br, I, NO_2, NH_2, (C_{1-4})alkyl or (C_{1-4})alkoxy , (C_{1-4})perhaloalkyl , (C_{1-4})perhaloalkoxy wherein a broken line (....) is a single bond or no bond.

5. A pharmaceutical composition comprising a therapeutically effective amount of a compound as defined in claim 1 or 2 and a pharmaceutical acceptable carrier.

6. A method of selectively antagonizing α_1-adrenergic receptors in a mammal comprising the step of administering to said mammal a therapeutically effective amount of the pharmaceutical composition according to claim 5.

7. A method for treating benign benign prostatic hyperplasia in a mammal comprising the step of administering to said mammal a therapeutically effective amount of the pharmaceutical composition according to claim 5.

8. A process for preparing a compound of Formula I

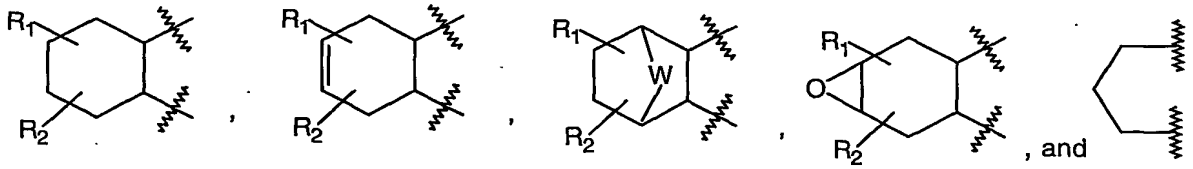


Formula I

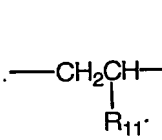
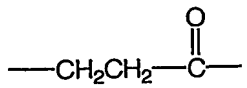
or its pharmaceutically acceptable salts, enantiomers, diastereomers, N-oxides, prodrgus, metabolities, polymorphs, and pharmaceutically acceptable solvates

wherein

X is selected from the group consisting of



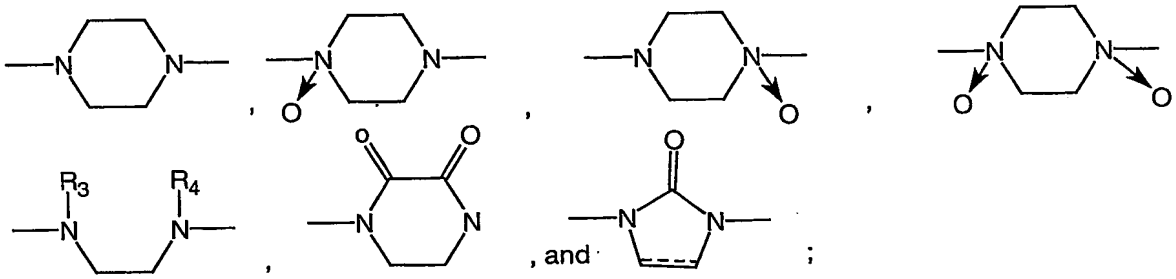
wherein the points of attachment are depicted by hashed bonds, and wherein one point of attachment is bonded to the carbonyl adjacent to the nitrogen and the second point of attachment is bonded to the other carbonyl;
W is O, S, SO or SO_2;

A is $-(CH_2)m-$,  ,  ;

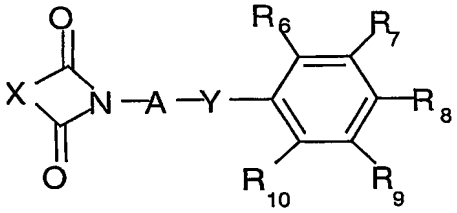
wherein m is one of the integers 2,3 or 4 ;

R_{11} is independently selected from H, F, Cl, Br, I, OH, straight or branched lower (C_{1-6}) alkyl, lower (C_{1-6}) alkoxy and lower (C_{1-6}) perhaloalkyl;

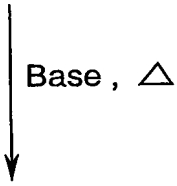
Y is selected from the group consisting of

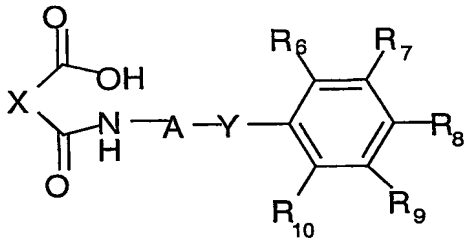


R1 and R2 are independently selected from H, OH, CN, NO_2, Cl, F, Br, I, OR_3,COR_3, $OCOR_3$, $COOR_3$, NH_2, $N(R_4, R_5)$, lower (C_{1-4})alkyl, lower (C_{1-4}) alkoxy, lower (C_{1-4})alkylthio, lower (C_{1-4})perhaloalkyl, lower (C_{1-4}) perhaloalkoxy, lower (C_{1-4})alkoxy substituted with one or more of F, Cl, Br, I, OH, or OR_3, optionally substituted group selected from aryl, aryloxy, aralalkyl, heterocyclyl or heteroaryl and said substituents being H, F, Cl, Br, I, OH, OR_3, lower (C_{1-4})alkyl, lower (C_{1-4})alkyl substitued with one or more of F, Cl, Br, I, OH or OR_3, wherein R_3 is selected from the group consisting of H , straight or branched C_1- C_6 alkyl and perhaloalkyl; R_4 and R_5 are independently selected from the group consisting of H, CHO, substituted or unsubstituted lower (C_{1-4})alkyl , lower (C_{1-4})alkoxy, COR_3, $COOR_3$, $CH_2CH(OR_3)_2$, CH_2COOR_3, CH_2CHO and $(CH_2)_2OR_3$ wherein R_3 is the same as defined above; R_6, R_7, R_8, R_9 and R_{10} are independently selected from H, OH, CN, NO_2, Cl, F, Br, I, straight or branched lower (C_{1-4})alkyl optionally substituted with one or more halogens, lower (C_{1-4})alkoxy optionally substituted with one or more halogens, (C_{3-6})cycloalkoxy,



Formula II





Formula I

NH_2, N-lower(C_{1-4})alkylamino, N, N-di-lower (C_1-C_4)alkylamino, N-lower alkyl(C_1-C_4)amino carbonyl, hydroxy substituted with aromatic or non-aromatic five or six membered ring, phenyl, phenyl substitued by Cl, F, Br, I, NO_2, NH_2, (C_{1-4})alkyl or (C_{1-4})alkoxy , (C_{1-4})perhaloalkyl , (C_{1-4})perhaloalkoxy wherein a broken line (....) is a single bond or no bond; which comprises reacting a compound Formula II with a suitable base in a suitable solvent to give the compound of Formula I as shown below:

where all symbols are as defined above.

9. The process of Claim 8 wherein the base is selected from the group consisting of potassium hydroxide and sodium hydroxide.

10. The process of Claim 8 wherein the suitable solvent is selected from the group consisting of water, methanol and ethanol.